Advanced Analytics Development in Support of the Marine Corps
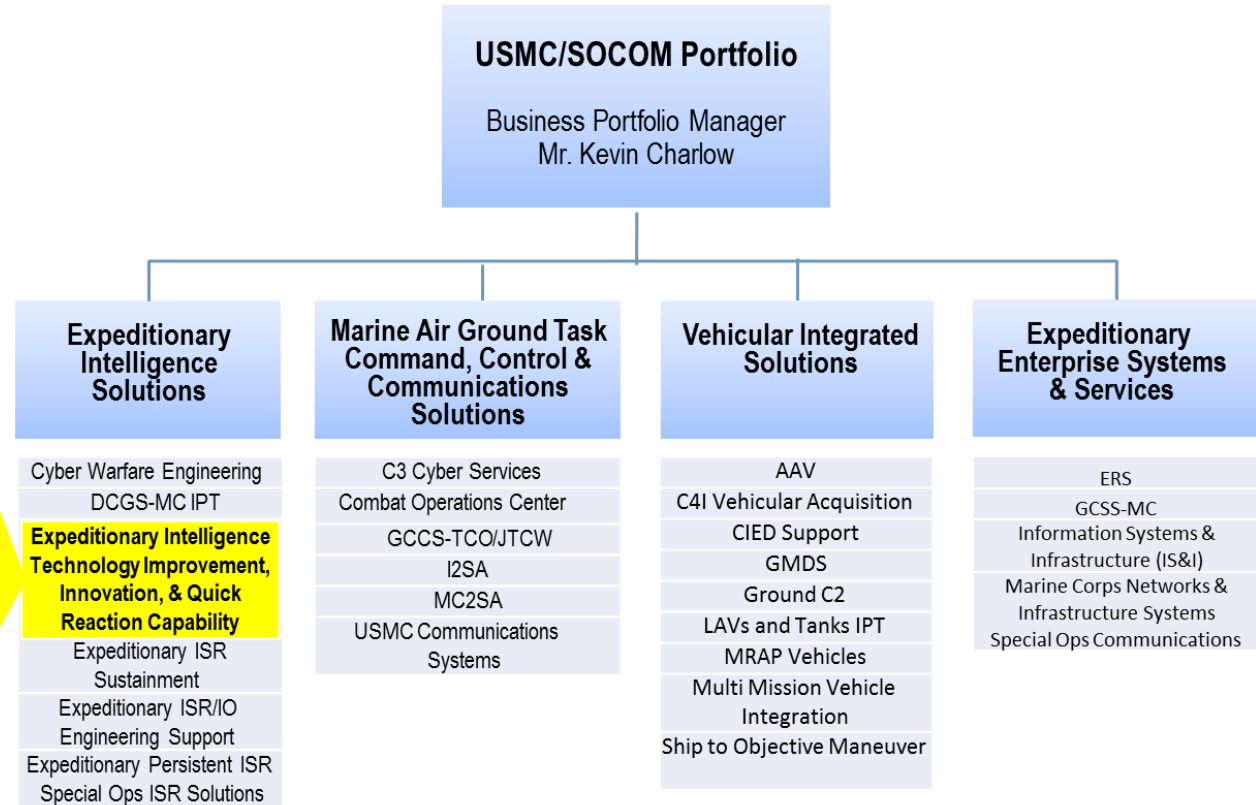
Presented to:

Charleston Defense Contractors Association

C5ISR Conference

Mr. Steven Fraile

Expeditionary Intelligence Technology Improvement, Innovation, & Quick Reaction Capability Integrated Product Team
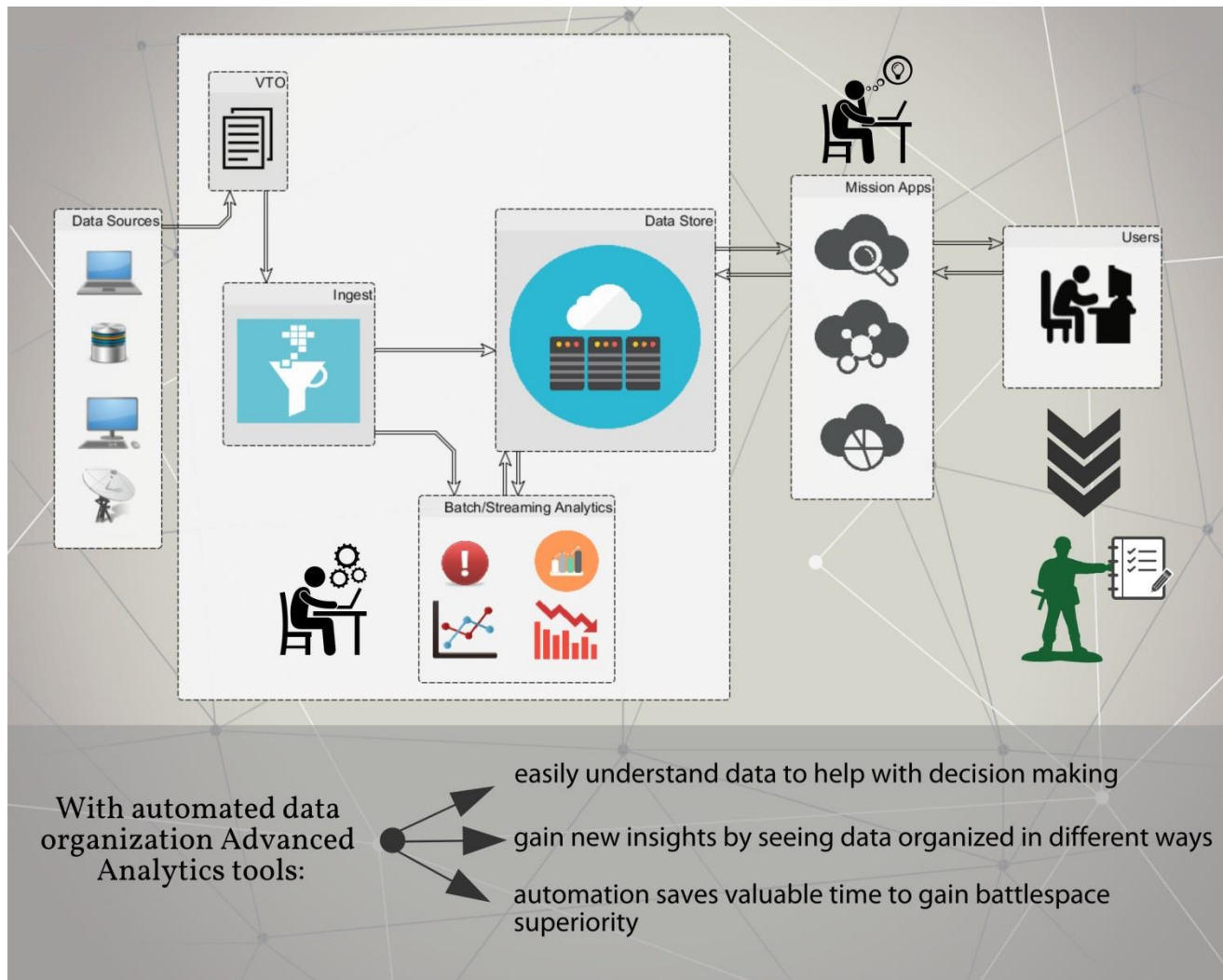
USMC/SOCOM Portfolio

USMC/SOCOM Portfolio

Business Portfolio Manager
Mr. Kevin Charlow

- Provide the ISR community with solutions that bridge capability gaps and offer potential technology transition

- Improvement and Innovation Technology Solutions (i2TS) Find, Assess, Synthesize, & Transition (FAST)

Expeditionary Intelligence Solutions	Marine Air Ground Task Command, Control & Communications Solutions	Vehicular Integrated Solutions	Expeditionary Enterprise Systems & Services
Cyber Warfare Engineering	C3 Cyber Services	AAV	ERS
DCGS-MC IPT	Combat Operations Center	C4I Vehicular Acquisition	GCSS-MC
Expeditionary Intelligence Technology Improvement, Innovation, & Quick Reaction Capability	GCCS-TCO/JTCW	CIED Support	Information Systems & Infrastructure (IS&I)
Expeditionary ISR Sustainment	I2SA	GMDS	Marine Corps Networks & Infrastructure Systems
Expeditionary ISR/IO Engineering Support	MC2SA	Ground C2	Special Ops Communications
Expeditionary Persistent ISR Special Ops ISR Solutions	USMC Communications Systems	LAVs and Tanks IPT	
		MRAP Vehicles	
		Multi Mission Vehicle Integration	
		Ship to Objective Maneuver	

# Advanced Analytics in the MCISRE

Marine Corps Intelligence, Surveillance, Reconnaissance Enterprise (MCISRE) is a warfighting enterprise that supports decision-making through the provision of tailored intelligence that is timely, relevant, and predictive.


With automated data organization Advanced Analytics tools:

- easily understand data to help with decision making
- gain new insights by seeing data organized in different ways
- automation saves valuable time to gain battlespace superiority

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Using software to adjust time

Are we using our Marines' time efficently?

Time Breakdown using current tools:

- Analysis 30%
- Data Collection 70%
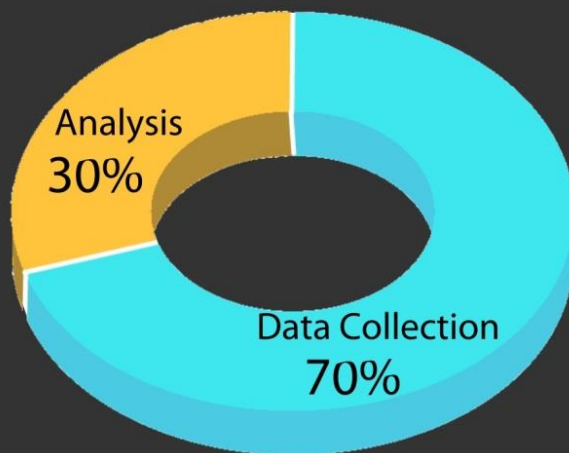
Time Breakdown using Advanced Analytics tools:
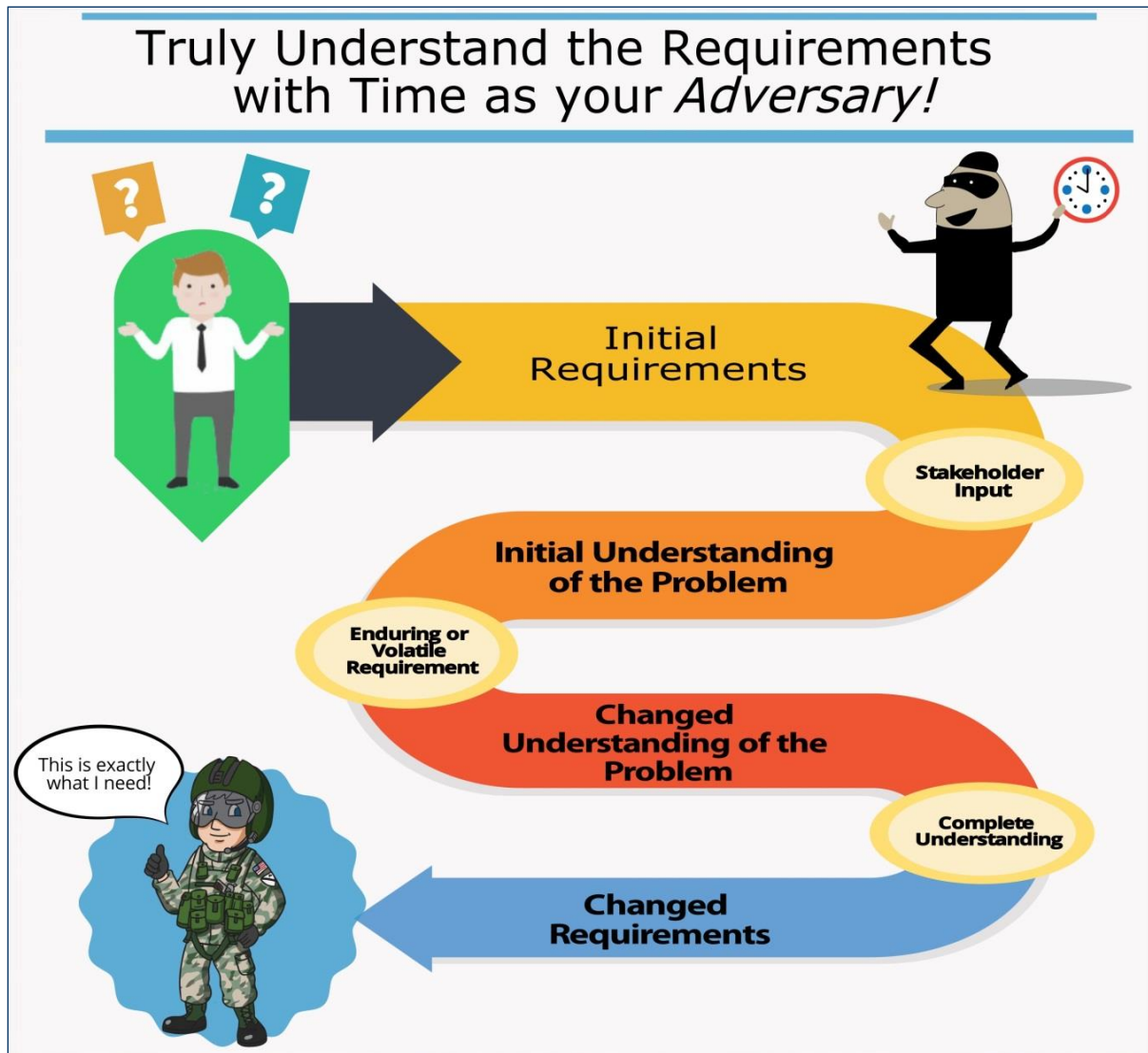
- Data Collection 30%
- Analysis 70%
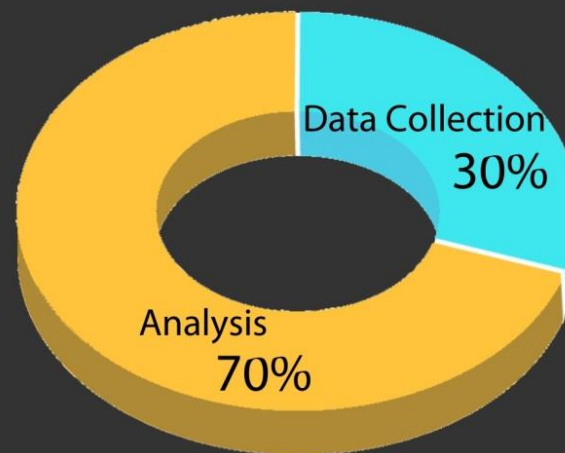
The 70-30 Rule - We hear about it all the time - dieting, saving money, marketing your business, and it fits when talking about our Marines too. Using their current data storage and data mining tools, All Source Intelligence Marines typically spend around 70% of their time gathering data, leaving only 30% of their time for creating products and analyzing the data. This is an inefficient way to use their skills and knowledge. Our goal with the Advanced Analytics capabilities is to flip the paradigm. All Source Intelligence Marines must be focused on analyzing the data and drawing meaningful conclusions to produce and dissiminate the best intelligence.

Different Stakeholders >> Multiple Perspectives >> Better Solutions
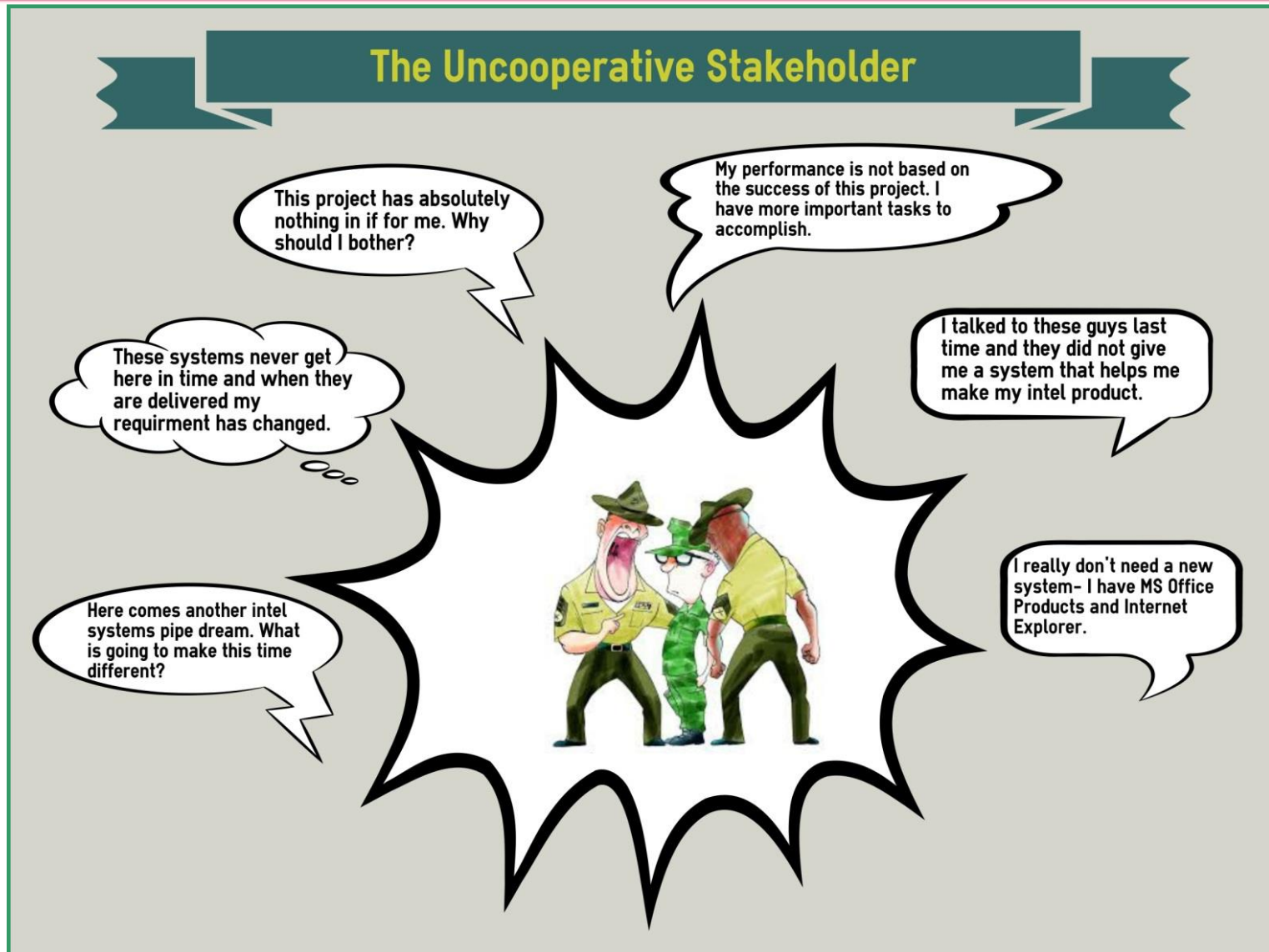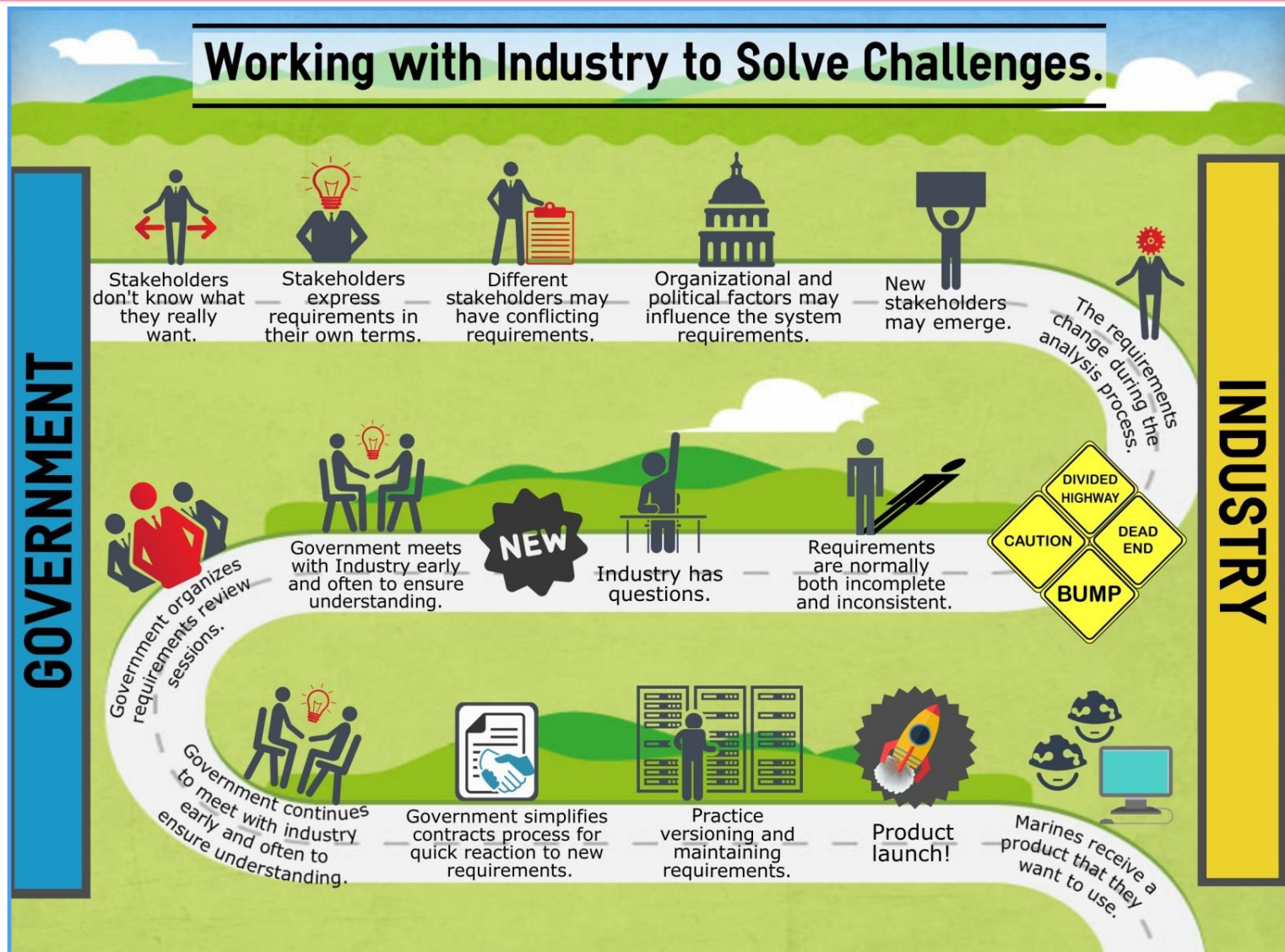
Problem
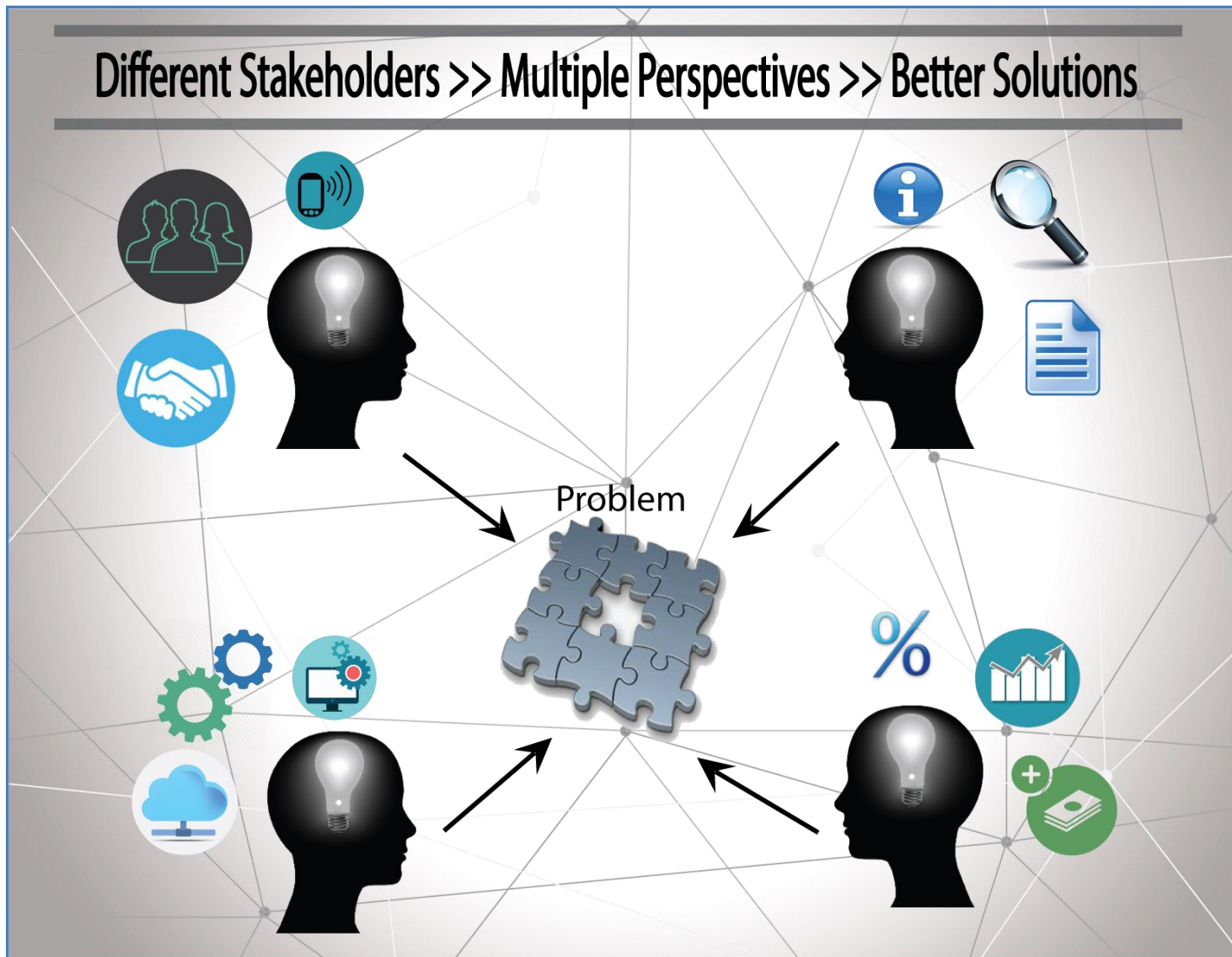
Time is of the essence!

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Stakeholders can be uncooperative

Working Together

Working with Industry to Solve Challenges.

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We value your opinion! Please give us your feedback so we can produce a better product for the Marines!

Product!

③ Industry Feedback

Creating an open dialog with Industry to promote multi-stakeholder thinking and increase feedback, so the Government knows when requirements are not being met.

② Trusting Automation

Shifting the culture with the users from "let me search for the data" to trusting the software to search for the data.
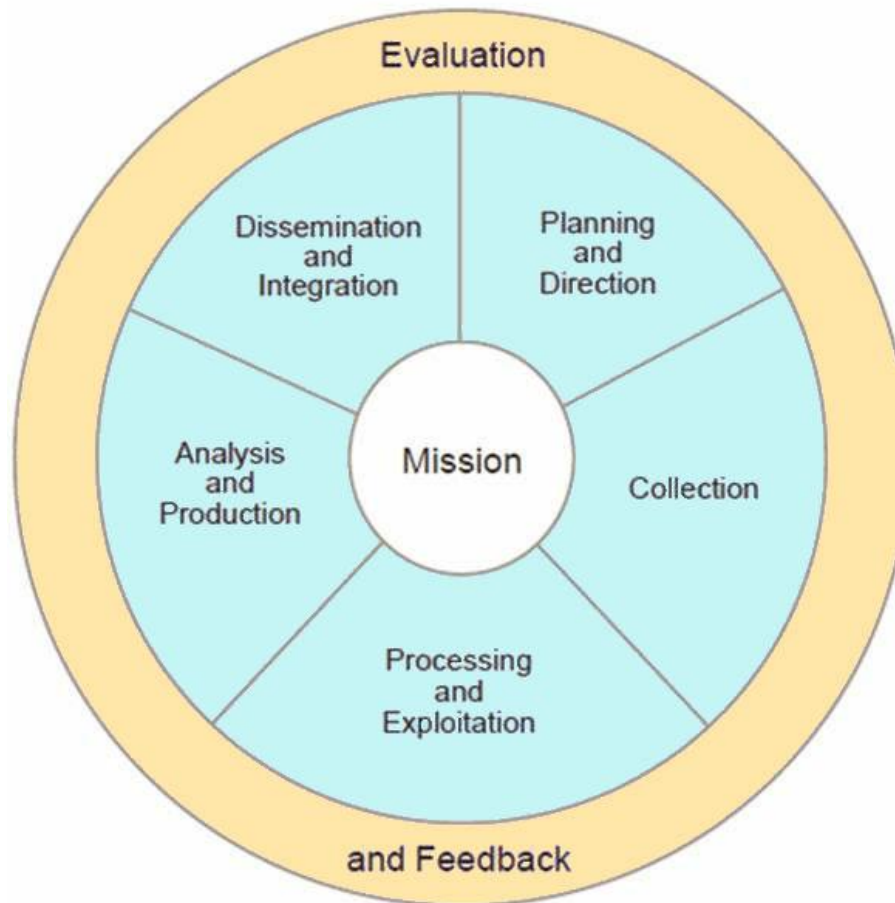
① Communication

Communicating the requirements effectively between the User, Government, and Industry.
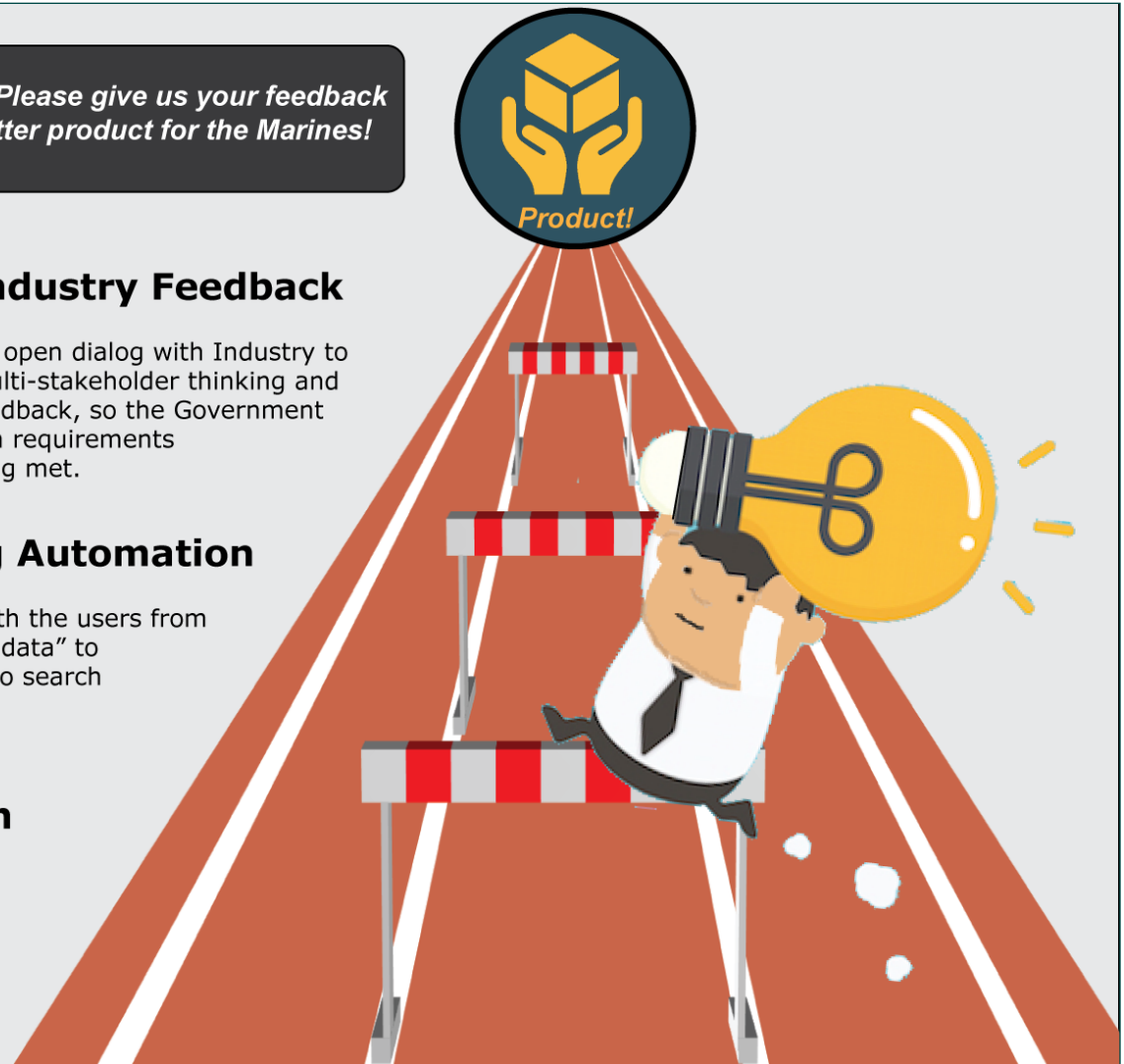
Let's communicate!

The Intelligence Process

Source: Joint Intelligence / Joint Publication 2-0 (Joint Chiefs of Staff)